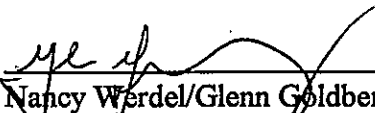
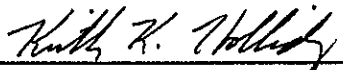
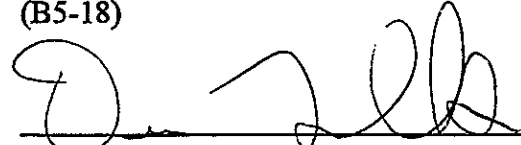
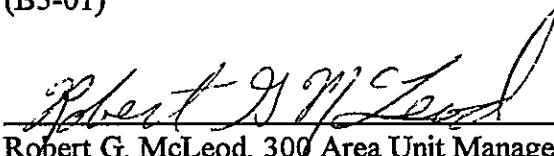



Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: Remedial Action and Waste Disposal Unit/Source Operable Unit
3350 George Washington Way, Room 1B45, Richland, Washington
June 20, 1996

FROM/APPROVAL:  Date 7/18/96
Nancy Werdel/Glenn Goldberg, 100 Area Unit Managers, RL (H0-12)

APPROVAL:  Date 7/18/96
Wayne Soper/Keith Holliday, 100 Aggregate Area Unit Manager, Ecology
(B5-18)

APPROVAL:  Date 10-1-96
Dennis Faulk/Kevin Oates, 100 Aggregate Area Unit Managers, EPA
(B5-01)

APPROVAL:  Date July 18, 1996
Robert G. McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL:  Date _____
Jeanne Wallace, 300 Area Aggregated Area Unit Manager
WA Dept of Ecology (B5-18)

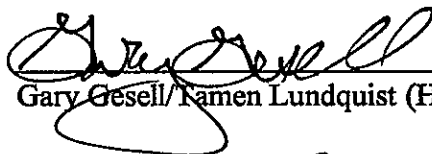
APPROVAL:  Date 18 July 96
David R. Einan, 300 Area Aggregated Unit Manager, EPA (B5-01)

APPROVAL:  Date 18 July 96
Ted A. Wooley, 300 Area Process Trenches Subproject Manager

Meeting Minutes are attached. Minutes are comprised of the following:

| | | |
|---------------|---|----------------------------------|
| Attachment #1 | - | Agenda |
| Attachment #2 | - | Attendance Record |
| Attachment #3 | - | Meeting Minutes |
| Attachment #4 | - | Status Package |
| Attachment #5 | - | 100-B/C Remedial Action Activity |

Prepared by:



Gary Gesell/Kamen Lundquist (H0-17)

Date 10/9/96

Concurrence by:



Vern Dronen, BHI Remedial Action and Waste Disposal Project Manager
(H0-17)

Date 10/9/96

JUNE UMM AGENDA

1:00 p.m. 300 Area

- FF-1/FF-5 ROD (if not signed)
- FF-1 Remedial Design Status
 - * 60% Design package
 - * SAP
 - * RDR/RAWP
- FF-1 Remedial Action Procurement
 - * 13 Companies responded to the Expression of Interest
- FF-2 316-4/618-10 Groundwater Update
- FF-2 LFI Report Status
- FF-5 O & M Plan Status

2:00 p.m. 100 Areas

- Status of Remedial Design Report
- Status of SAP
- 100 BC remedial action schedule review
- Removal of sediments from 100-D Ponds
- Waste Site Reclassification Process
- ESD for additional 100 Area Radioactive Liquid Waste Disposal Sites

NOTE: The 200 Area is not on the agenda for this month.

REMEDIAL ACTION AND WASTE DISPOSAL UNIT MANAGER'S MEETING OFFICIAL ATTENDANCE RECORD JUNE 20, 1995

Please print clearly and use black ink

| PRINTED NAME | ORGANIZATION | O.U. ROLE | TELEPHONE |
|--------------------|--------------|-------------------------|-----------|
| Ted Wooley | Ecology | UNIT MANAGER 300 APT | 736-3012 |
| Richard Carlson | BHE | 300 Area Tech Lead | 372-9623 |
| Larry Hulstrom | ITH | PSS Support | 372-9685 |
| Dave Einan | EPA | 300 Area Project Mgr | 376-3883 |
| Bob McLeod | DOE | RL PM | 372-0096 |
| x FRED SENIEN | DOE | RL | 376-5517 |
| Nancy Werdel | DOE | RL PM | 376-5500 |
| x Pamela Archuleta | DOE | | 376-5599 |
| Nicole Kimball | DOE | RL-P.E. | 376-4670 |
| Dennis Faulk | EPA | RPM | 376-8631 |
| Pamela Innis | EPA | RPM | 376-4919 |
| Glenn VanSickle | BHI | 100 B/C Task Lead | 372-9571 |
| Clarence Conriveau | BHE | RA Assessments | 2-5090 |
| JEFF JAMES | BHI | TASK LEAD | 372-9563 |
| Chuck Hedelf | CHI | Team Lead | 372-9637 |
| Roger Orvink | CHI | | 372-9631 |
| Plaine Christensen | CHI | | 372-99346 |

**Unit Manager's Meeting Minutes
June 20, 1996**

200 AREAS

The 200 Areas was not on the agenda for June.

100 AREAS

100-B/C Area

The status of the *Remedial Design Report/Remedial Action Work Plan* (RDR/RAWP) and SAP was reviewed. The EPA reported that the approval letter for these documents was expected on June 25, 1996, following approval of the Tri-Party Agreement change package, which will also be presented to the IAMIT on June 25. The EPA anticipated no problem with the approval or the change package.

The hazard evaluation for the 100 Areas remedial action is currently being revised to comply with recently revised direction from DOE-RL. The revisions for the 116-B-4 stored waste are in process. No impact to the start of the remediation schedule is expected.

The near-term remediation schedule for 100-B/C was presented and discussed. The project is on schedule to begin excavation at the 116-C-1 Trench on July 15, 1996, and to start moving the 116-B-4 waste pile on July 1, 1996. Clearing and grubbing for site set-up could start as early as June 21, 1996.

IDW Disposal

The ERC explained the manner in which the Source Area IDW has been categorized, based on the status of its regulatory authorization and whether or not it requires treatment.

| | | |
|------------|----------------|-----------------------|
| Category 1 | Authorized | No Treatment Required |
| Category 2 | Authorized | Treatment Required |
| Category 3 | Not Authorized | No Treatment Required |
| Category 4 | Not Authorized | Treatment Required |

The ERC stated that Category 1 IDW (from HR-1, DR-1, BC-1) is currently being prepared for shipment as soon as ERDF opens (contingent on approval of the RDR/RAWP). Category 3 IDW will be shipped when the ERDF ESD is approved. Treatment plans are being prepared for Category 2 and 4 IDW. Most of the treatment only involves removal of water by decanting or

adding adsorbents. Small amounts of IDW (hydraulic oil, etc.) will require more sophisticated treatment.

The EPA concurred with the plans, but indicated that they would like to see something in writing that outlines the activities. They also suggested that even though their specific approval of treatment may not be necessary, it would be advisable to seek their input on treatment plans, especially for things other than simple dewatering.

The ERC has tables that list all IDW, its category, location and content. The ERC also has schedules to plan the disposal of each category. The EPA requested that copies of the tables and schedules be forwarded to them. Clarence Corriveau was given the action to prepare the transmittal.

Waste Site Reclassification (WSR) Process - The ERC explained the current program to evaluate waste sites and nominate for reclassification those sites that do not appear to have had releases of hazardous substances, or are below anticipated cleanup standards. It was noted that the process for WSR was contained in a new revision to WIDS procedures in the Tri-Party Agreement Handbook. It is expected that significant resources can be saved by eliminating these sites from the typical RI/FS/PP/ROD/RD/RA process. The EPA was advised that they will be presented with a package of information for each WSR nomination, and actual reclassification will require their written approval.

300 AREA

Unit Manager Signatures - An action item was taken to add Ted Wooley to the Unit Managers meeting minutes signature page. Ted Wooley indicated that he wants to sign the monthly Unit Managers meeting minutes as the 300 Area Process Trenches Unit Manager because the 300 APT is a RCRA facility.

300-FF-1/300-FF-5 ROD - It was discussed that the final wording on the ROD is nearly complete. DOE and the EPA are working with DOE-HQ and EPA Region X, respectively, to finalize wording describing why the 300-FF-5 OU is an interim ROD and under what conditions it can become final. This includes descriptions of the relationship of the 300-FF-2 OU to 300-FF-5. It is expected that this language will be finalized in the next week.

Remedial Design Status - The 300-FF-1 60% design submittal was reviewed and comments were provided by all parties, including EPA, Ecology, and DOE. The design subcontractor is now working on the 90% submittal package, which will be distributed for concurrent team review on July 8, 1996. The review period for the 90% is a bit shorter than the 60% review (FYI). The DQO meetings supporting preparation of the SAP are still ongoing, but are close to completion; the plan is to complete those next week. The long duration of the DQOs has affected the level of completion of the SAP at the 90% and the resultant level of completion of the RDR/RAWP. The RDR/RAWP was planned to be submitted for DOE and regulatory concurrent review at the same time as the 90% design. It is recommended that the RDR/RAWP

submittal be delayed 1 to 2 weeks to allow time to incorporate all the DQO decisions into the SAP, which will be appended to the RDR/RAWP. This will also allow time for the tradeoff study conclusions to be finalized and incorporated. This is not currently a critical path item.

300-FF-5 O&M Plan - A meeting is needed to facilitate closure on the points of compliance and attenuation monitoring wells and action levels shortly after the ROD is signed. Then the document will be submitted for reviews with completion planned by the close of FY 1996.

300-FF-5 Tri-Party Agreement Change Package - DOE and EPA are currently reviewing the package to update the boundary definition for the 300-FF-5 OU. This is an administrative change to Appendix C to appropriately describe the 300-FF-5 OU boundary, based on previous Tri-Party Agreement changes to the 300 Area source boundary definitions.

300-FF-2 LFI - The LFI decisional draft was submitted to DOE for review on July 19, 1996. This is approximately 2 weeks ahead of schedule; if the schedule is maintained, it will be delivered early for regulatory review meeting the Tri-Party Agreement milestone (also ahead of schedule). Ecology requested a copy of the decisional draft document to facilitate discussions he is having with the RCRA projects. Use of the document was discussed, and it was determined that portions of the text that would be useful are being updated and would not be of value at this time. Ecology mentioned that the RCRA projects are saying much of their vadoze and groundwater sampling is being deferred to the CERCLA OU. This may or may not be acceptable to the CERCLA project. These types of commitments are possible, but must be resolved on a case-by-case basis.

037390

STATUS PACKAGE

UNIT MANAGERS' MEETING - JUNE 1996

SOURCE OPERABLE UNITS

100-B/C, 100-K, 100-D, 100-H, 100-F

200 AREAS

300 AREA

prepared by

DOE-RL

06/20/96

100 AREAS

Focused Feasibility Studies and Proposed Plans

100 Area Remaining Sites ESD - The U.S. Department of Energy (DOE), Richland Operations Office (RL) is no longer considering expanding the Group A Explanation of Significant Difference (ESD) to include disposal authorization for two treatment, storage, and disposal (TSD) facilities (183-H and D-Ponds). The ESD was submitted for RL review on May 22, 1996, and is planned to be submitted to the U.S. Environmental Protection Agency (EPA) and the Washington State Department of Ecology (Ecology) for review by mid-June 1996.

Correspondence from EPA to RL received in late March, however, indicated that prioritization of EPA's workload has resulted in their inability to address this (and several other) DOE projects. This will likely result in a delay to this effort beyond the initial goal of June 1996 to begin public comment.

100-IU-1/100-IU-3/100-IU-4/100-IU-5 PP - Following the signing of the "no action" Record of Decision (ROD) in February 1996, an action remains to close out the bioremediation of soil from 100-IU-1 that is stockpiled at 100-B/C. DOE has submitted a data summary indicating that adequate bioremediation has occurred, and that use of the soil is not restricted. A site visit was made by RL, EPA, and the Environmental Restoration Contractor (ERC) on May 6, 1996, to check the stockpile for evidence of organic vapors; no vapors were detected. EPA has requested RL to provide additional documentation concerning laboratory analyses. This information is being prepared.

100-IU-2 and 100-IU-6 - A Draft Redline Rev. 0 Focus Package documenting the proposed dispositions of the sites was submitted by RL to EPA and Ecology on March 5, 1996. The joint EPA/Ecology letter on the *100 Area Record of Decision Strategy* recommended that the 100-IU-2 and 100-IU-6 Operable Units (OU) be addressed through Washington State regulations (e.g., solid waste regulations) rather than the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA). The advantages and disadvantages of the regulators' proposal remain to be discussed. Some issues to consider include CERCLA documentation completed to date and a December 31, 1996, *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestone for the submittal of "planning documents."

100-KR-1/100-KR-2/100-FR-1/100-FR-2/100-BC-2 - Work has been suspended on focus feasibility studies (FFS) and proposed plans (PP) for these OUs since receiving a letter from EPA (October 20, 1995) requesting RL to stop work on these documents. The request to stop work was made in anticipation of reaching a Tri-Party Agreement in the near future to address remaining waste sites in the 100 Areas on a 100-Area-wide basis, rather than on an OU-specific basis. Some high-priority radioactive liquid effluent disposal sites located in these OUs are candidates for the proposed June 1996 ESD (discussed above).

100-DR-2/100-HR-2 - Work has been suspended on FFSs and PPs for these OUs since receiving a letter from Ecology (November 29, 1995) requesting RL to stop work on these documents. The request to stop work was made in anticipation of reaching a Tri-Party Agreement in the near

future to address remaining waste sites in the 100 Areas on a 100-Area-wide basis, rather than on an OU-specific basis. Some high-priority radioactive liquid effluent disposal sites located in these OUs are candidates for the proposed June 1996 ESD (discussed above).

Waste Site Reclassification Project

In anticipation of approval of the waste site reclassification process (Procedure No. TPA-MG-08) by the Tri-Parties, RL has prepared documentation for waste sites that have high potential for reclassification from "accepted" to "rejected" or "no action" in the WIDS data base. A meeting was held with Ecology on May 24, 1996, to present RL's approach and schedule for reclassification of waste sites.

100-D Ponds

Planning is nearing completion to remove contaminated sediments from 100-D Ponds starting June 24, 1996. Cleanup criteria were established in a Data Quality Objective (DQO) Final Report (BHI-00773). The removed sediments will be disposed of in the low-level waste burial grounds.

Investigation Derived Waste (IDW)

A plan and schedule for disposal of source area IDW in the Environmental Restoration Disposal Facility (ERDF) has been developed. The IDW associated with the 100-HR-1, 100-DR-1, and 100-BC-1 ROD will start being shipped when ERDF opens (assuming the *Remedial Design Report/Remedial Action Work Plan* [RDR/RAWP] is approved). Other 100 Areas IDW will be shipped to ERDF upon approval of the ERDF ESD. A few containers of IDW will need to be treated to meet ERDF Waste Acceptance Criteria before shipment. Separate treatment plans and schedules are being developed for this IDW.

100 B/C

100-BC-1 ERA - The *100-B/C Demonstration Project Final Report* was issued in March 1996. The verification package for 116-B-4 was completed and forwarded to EPA for concurrence. The verification package for 116-B-5 was prepared for DOE and EPA concurrence. The 116-B-4 French Drain was backfilled to grade with clean material on April 5, 1996. This action was necessary to prevent sloughing of the side walls and cave-in.

B/C Area

Remedial Design - Detailed design is complete for all sites in 100-BC-1 (116-B-1, 116-B-11, 116-B-13, 116-B-14, 116-C-1, 116-C-5, and the B/C north pipelines), two sites in 100-DR-1 (116-D-1A, 116-D-1B), and one site in 100-HR-1 (116-H-1). The draft RDR/RAWP was

provided for regulatory review on April 2, 1996. The *Sampling and Analysis Plan* was drafted and provided for regulatory review on April 5, 1995. Comments were received from EPA and Ecology on May 1, 1996, and both documents have been revised accordingly.

Remedial Action - The bid evaluation was completed, and the subcontract was awarded to Envirocon on April 29, 1996. Mobilization and site set-up is expected to begin in June 1996.

200 AREAS

200-UP-2 Operable Unit

200-UP-2 FFS - The 200-UP-2 FFS and Proposed Plan are currently undergoing regulatory review. The Ecology-requested 30 working-day extension to complete their review of the FFS has expired without comments being received.

Barrier FFS - The Barrier FFS was issued to RL on May 13, 1996.

200 Areas Strategy

A working draft of the 200 Areas Strategy Document was issued on May 17, 1996. Working meetings are continuing between the Tri-Parties to refine the strategy. Progress has been made in the areas of (1) establishing level of detail requirements for various documents, (2) criteria development to evaluate waste sites, and (3) integration of *Resource Conservation and Recovery Act of 1976* (RCRA) and CERCLA requirements.

300 AREA

300-FF-1 Operable Unit

Record of Decision - The ERC and DOE-RL have provided additional comments to EPA on the second draft of the ROD.

Remedial Design - The remedial design subcontractor submitted the 60% design package on May 31, 1996. Nine DQO sessions have been held to make decisions regarding sampling and analysis for the 300-FF-1 remedial action. Six sessions were held in the last month. Most of this month's effort was focused on the site closure and in process sampling decisions. It is now expected that one more session is needed to complete the DQO.

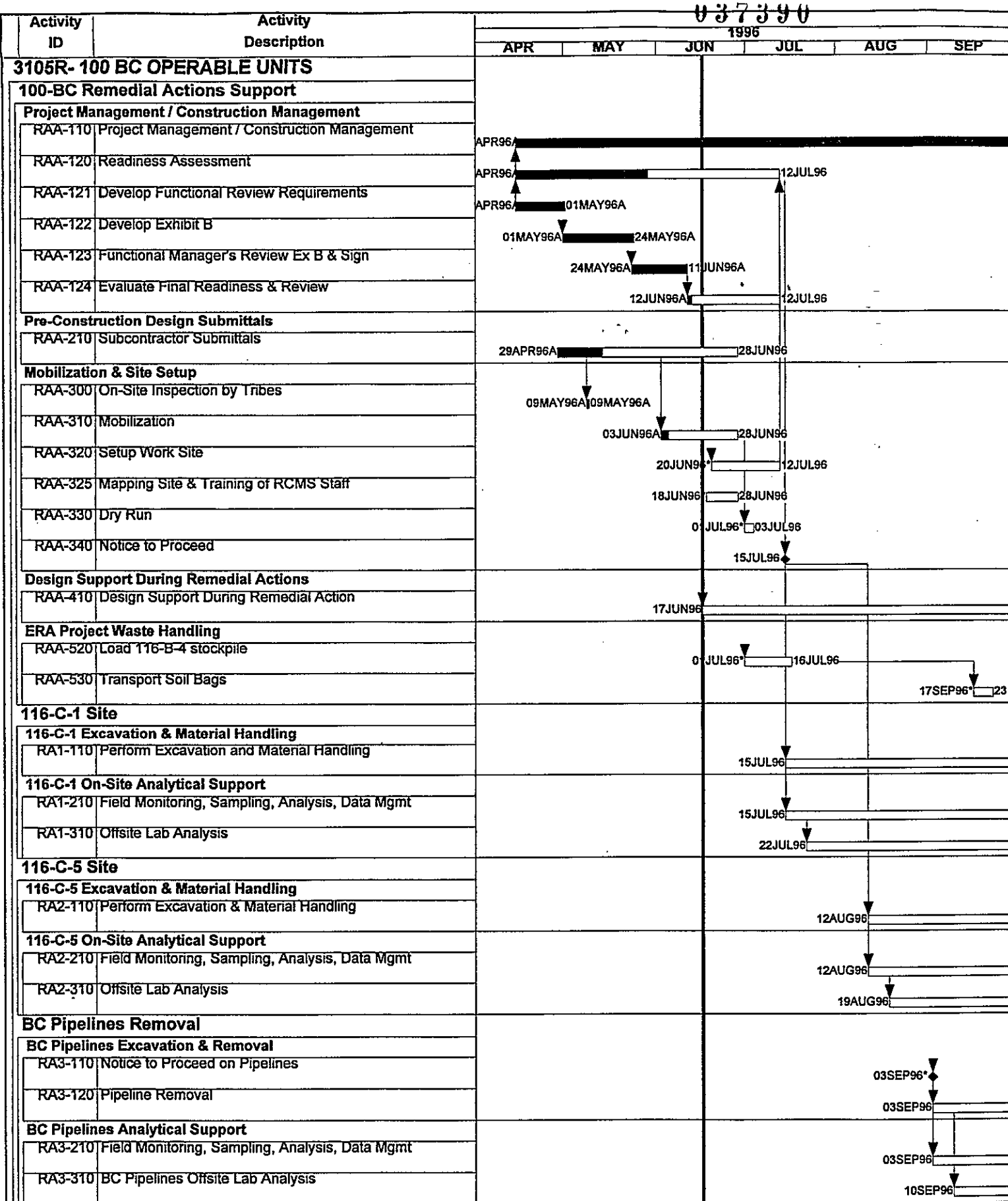
300-FF-2 Operable Unit

Limited Field Investigation (LFI) Report - ERC review of the draft report was concluded on May 24, 1996. Comment dispositioning and incorporation is in process. The scheduled date for initiation of the DOE review of the document is July 2, 1996. Efforts are being made to advance this date by at least 1 week.

Groundwater Sampling - All data from the second round of sampling has been received and evaluation has been completed. (This information is also being incorporated into the LFI report.) A meeting was held with DOE and EPA on June 4, 1996, to discuss a proposal for additional workscope to address the results of sampling at well 699-S6-E4A and the 316-4 Crib/618-10 Burial Ground area. Contamination appears to be limited to the area around the well and adjacent crib, but some questions still linger relative to the possibility of contamination coming from the burial ground.

300-FF-5 Operable Unit

Operations and Maintenance Plan - The Operation and Maintenance plan is essentially complete, as stated last month. However, there is a need to reopen the DQO and have one more session to finalize discussions regarding point of compliance monitoring details.



Project Start 8AUG95
 Project Finish 2MAR99
 Data Date 17JUN96
 Plot Date 20JUN96

☐ Early Bar
☒ Progress Bar
☒ Critical Activity

BCRA

Sheet 1 of 1

D. Rider 2-9619

ERC Richland
100-BC Remedial Actions
Project Meeting Schedule

| Date | Revision | Checked | Approved |
|------|----------|---------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Distribution
Unit Manager's Meeting: Remedial Action Unit/Source Operable Units
100, 200, and 300 Areas

037390

| | |
|-----------------------------------|--|
| Nancy Werdel | DOE-RL, RP (H0-12) |
| Mike Thompson | DOE-RL, RP (H0-12) |
| Glenn Goldberg | DOE-RL, RP (H0-12) |
| John Murphy | DOE-RL, RP (H0-12) |
| Rich Holten | DOE-RL, RP (H0-12) |
| Bryan Foley | DOE-RL, RP (H0-12) |
| Robert McLeod | DOE-RL-ERD (H0-12) |
| Ellen Mattlin | DOE-RL, EAP (A5-15) |
| | |
| Lisa Treichel | DOE-HQ (EM-442) |
| Steve Balone | DOE-HQ (EM-442) |
| | |
| Dennis Faulk | 100 Aggregate Area Manager, EPA (B5-01) |
| David Einan | EPA |
| Paul Beaver | EPA |
| Larry Gadbois | EPA |
| Kevin Oates | EPA |
| | |
| Phil Staats | 100 Aggregate Area Manager, WDOE (B5-18) |
| Chuck Cline | WDOE (Lacey) |
| Wayne Soper | WDOE (Kennewick) (B5-18) |
| Ted Wooley | WDOE (Kennewick) (B5-18) |
| Gary Freedman | WDOE (Kennewick) (B5-18) |
| Norman Hepner | WDOE (Kennewick) (B5-18) |
| David Holland | WDOE (Kennewick) (B5-18) |
| Keith Holliday | WDOE (Kennewick) (B5-18) |
| | |
| Lynn Albin | Washington Dept. of Health |
| | |
| V. R. Dronen | (H0-17) |
| G. O. Gesell | (H0-17) |
| T. L. Lundquist | (H0-17) |
| J. R. James | (H0-17) |
| G. E. Van Sickle | (H0-17) |
| J. G. Woolard | (H0-17) |
| C. R. Johnson | (H0-17) |
| R. A. Carlson | (H0-17) |
| L. C. Hulstrom | (H9-11) |
| M. J. Galgoul | (H9-12) |
| Alvina Goforth | BHI DCC (H0-09) Kay KimmelMAC (B1-42) |
| T. M. Wintczak | BHI (H0-11) |
| Andrea Hopkins | BHI (H9-11) |
| Tom Page (Please route to:) | PNNL (K9-18) |
| Cheryl Thornhill | PNNL (K9-14) |
| Mark Hanson | PNNL (K9-02) |
| Steve Slate | PNNL (K9-14) |

Please inform Tamen Lundquist (372-9562) of BHI
of deletions or additions to the distribution list. Attachment #1